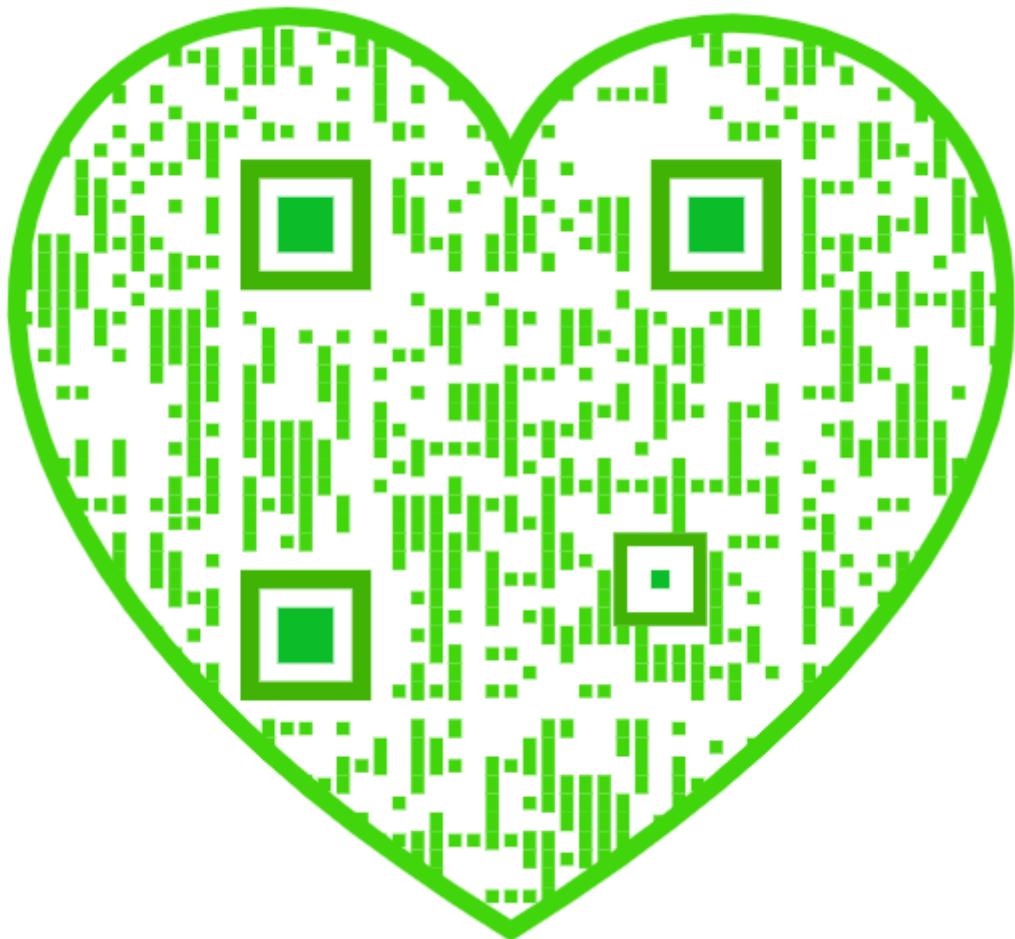


Master in Artificial Intelligence



Problem Definition I



Purpose

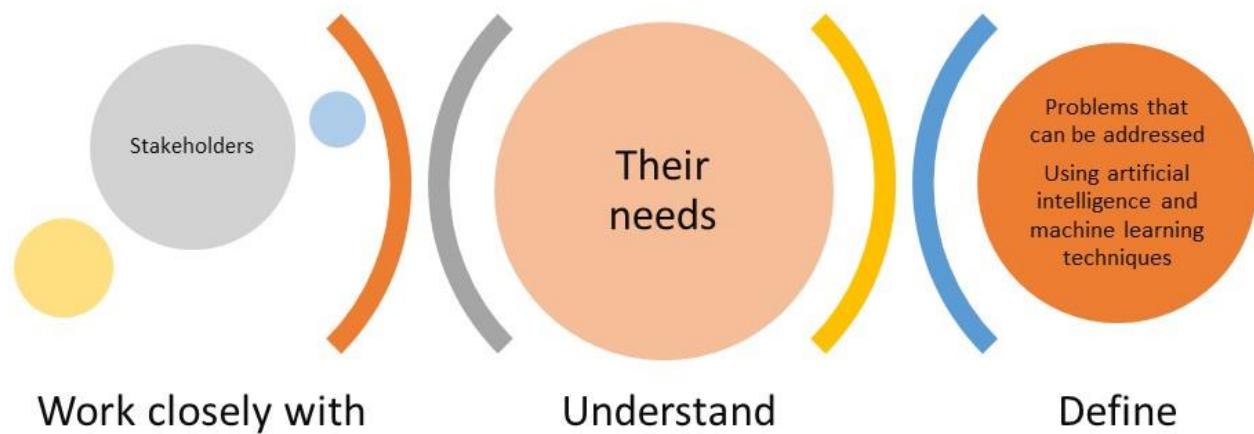
The purpose of the section is to help you learn how to define problems to become a Successful Artificial Intelligence (AI) Engineer

At the end of this lecture, you will learn the following

- How to understand stakeholders' needs and define problems that can be addressed using artificial intelligence and machine learning techniques**



Problem Definition



Identify Stakeholders



Engage Stakeholders



Listen Actively

PARAPHRASE.

Try to paraphrase what the student said to make sure you understand and to show that you are paying attention.

ASK QUESTIONS.

Ask questions to encourage the student to elaborate on their thoughts and feelings.

USE POSITIVE BODY LANGUAGE.

Show that you are engaged and interested by nodding, facing the other person, and maintaining an open and relaxed body posture.

SHOW EMPATHY.

If the student voices negative feelings, try to validate them. Consider why they feel this way and put yourself in their shoes.

8 Tips for ACTIVE LISTENING



LISTENING MAY BE ENOUGH.

We may be tempted to "fix" the problem, but at times, students just want us to listen.

EVALUATE THE CONVERSATION.

After you have fully taken in what the student has said, take a moment to evaluate the conversation.

DON'T GIVE ADVICE TOO QUICKLY.

Allow the student to finish speaking before attempting to give advice. You want to make sure that you fully understand them first.



Ask Probing Questions

What are your key requirements?

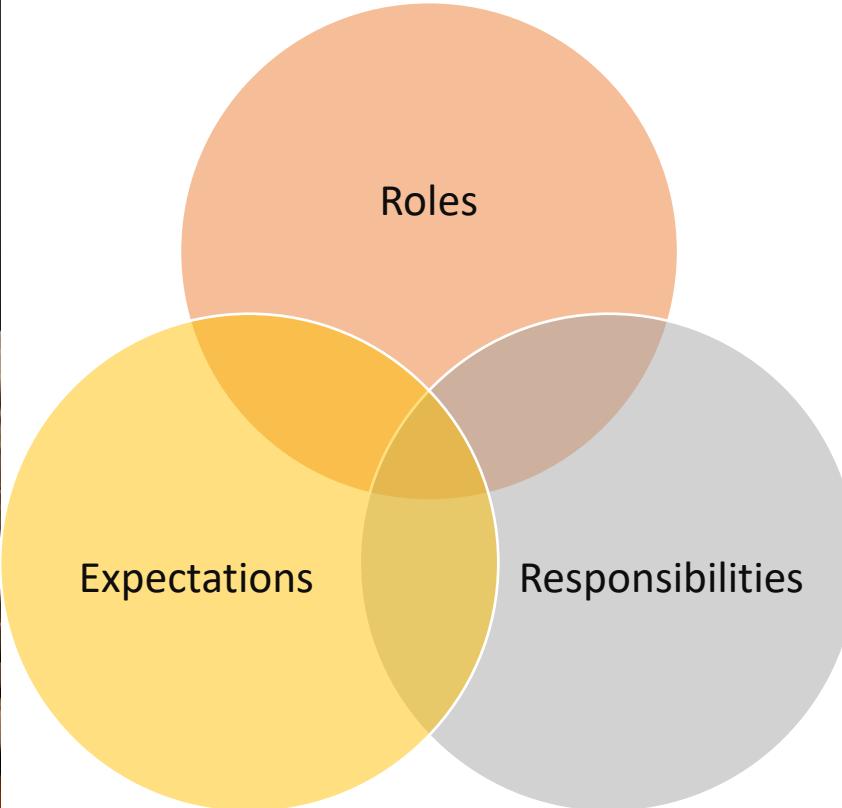
What are the main challenges do you face?

What are your current pain points?

Can you please give examples or anecdotes to illustrate these?



Conduct Stakeholder Interviews



Collect Data

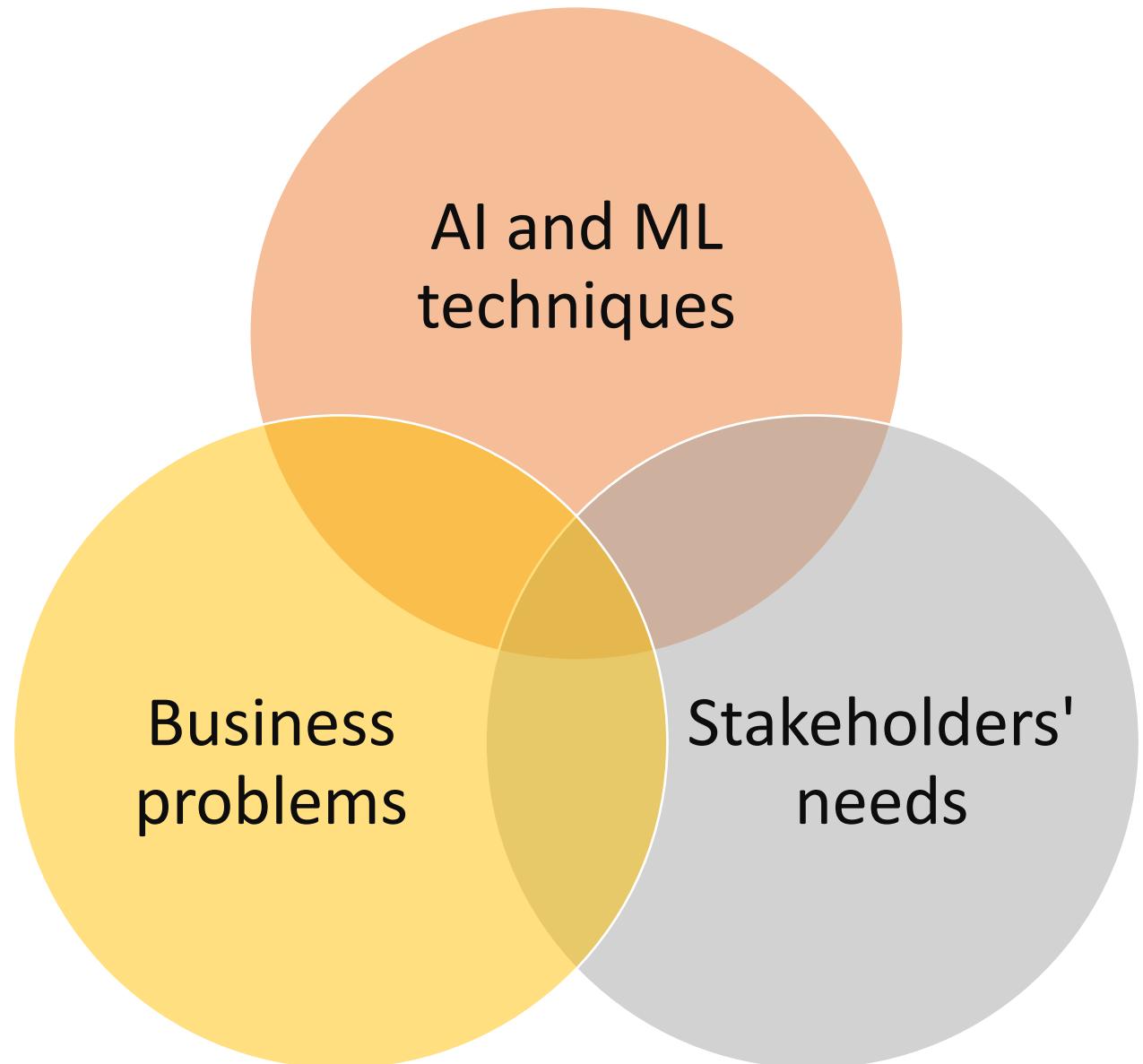
Gather relevant data and information from stakeholders

Analyze the data

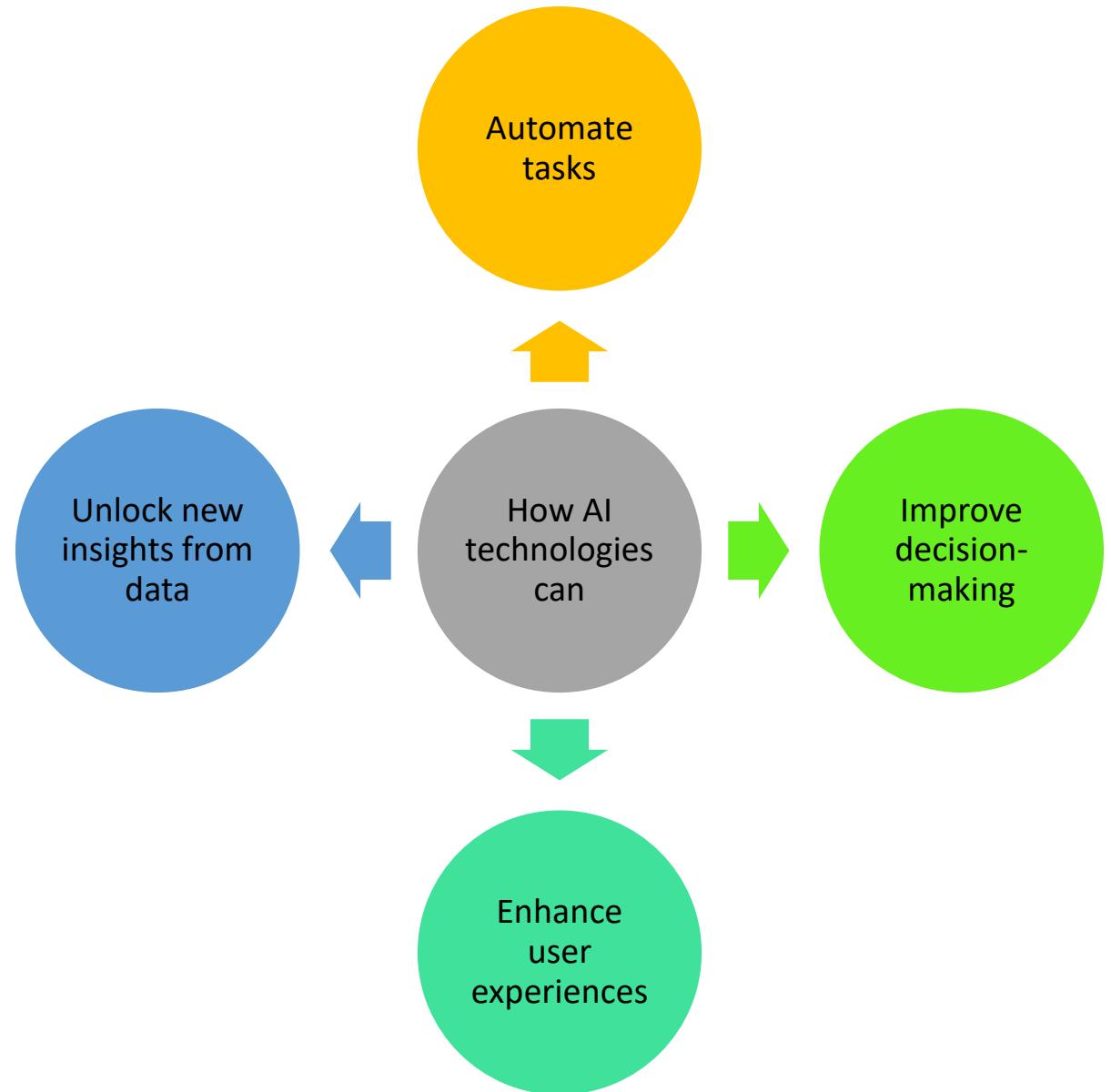
Identify patterns, trends, and areas for improvement



Map Stakeholder Needs to AI Opportunities



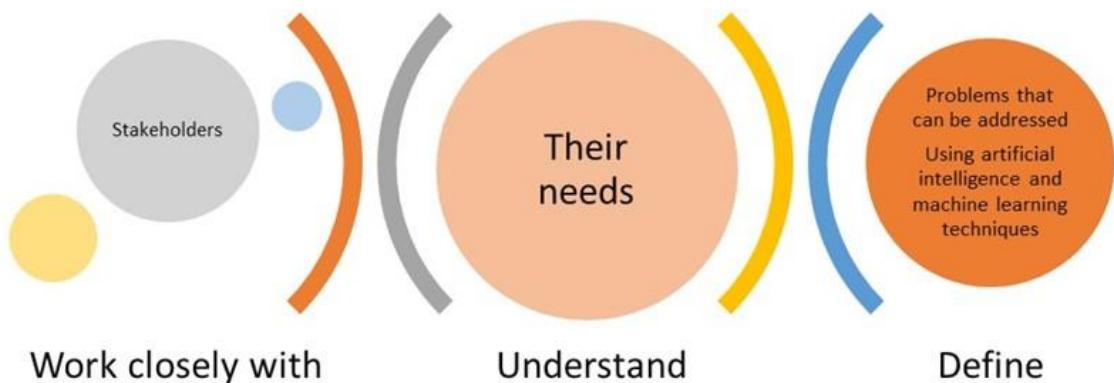
Map Stakeholder Needs to AI Opportunities



What is next?

How to understand stakeholders' needs and define problems

Problem Definition



Master in Artificial Intelligence



Problem Definition I